OBRAZTSOVA, G.A.; TROSHIKHIN, V.A., mavedupushchiy.

Effect of blocking out the vectionlar enparatus upon general development and reflex activity in a rabbit during ontogenesis. Trudy Inst.fiziol. 1:173-186 (NEBA 6:8)

l. Laboratoriya ontoganeza vyssher nervnor devatel nosti.
(Conditioned response) (Labyrinth (Enr.))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

KONAROVA, T.F.; TROSHIKHIN, V.A.

THE THE MANUFACTURE AND AND THE PROPERTY OF TH

Some data on the inheritance and variability of typological properties of the nervous system in ontogenesis. Trudy Inst.fiziol. no.2:228-251 (MLRA 7:5)

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'nosti (zaveduyushchiy - V.A. Troshikhin). (Nervous system)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

TROSHIKHINA, P. M.

Respiration

Modification of respiratory rhythm in ontogenesis in animals, Fiziol.zhur., 39, no. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

ZE BINE BUILDE DE LE COMPANION DE LE COMPANION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

TROSHIKHIN, V.A.

Development of orientation reaction and formation of motor conditioned defense reflexes in puppies. Fiziol. zh. SSSR 39 no.3:265-274 May-June (CLML 25:1)

1. Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR.

TROSHIKHIN, V.A.

Development of the orientation reaction and the establishment of motor conditioned-defensive reflexes in puppies. Fiziol.zhur. 39 no.3:265-274 My-Je '53. (MLRA 6:6)

1. Institut fiziologii im. I.P. Pavlova Akademii Nauk SSSR. (Conditioned response)

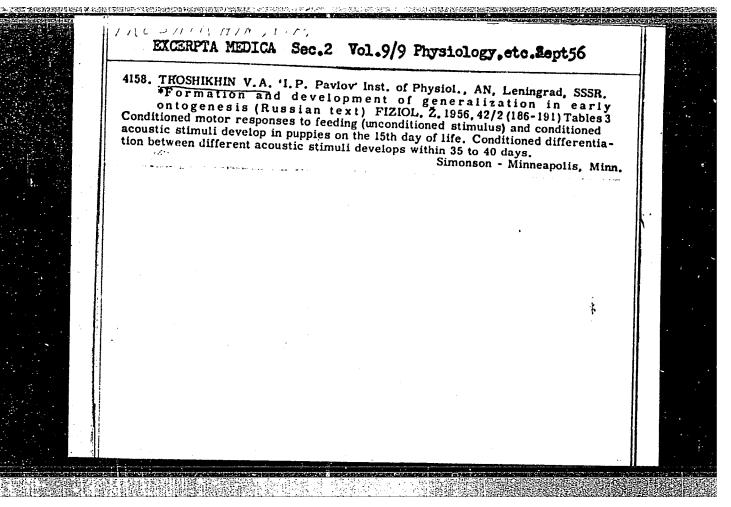
TROSHIKHIN, V.A.; MAKARENKOV, A.N.

A method for studying conditioned reflex activity in pupples in early stages of development. Zhur.vys.nerv.deiat. 4 no.5:724-727 S-0 154. (MLRA 8:7)

1. Institut fiziologii im. I.P.Pavlova AN SSSR. (REFLEX, CONDITIONED, technic in young dogs)

Effect of age and training on the mobility of neural processes in dogs. Trudy Inst.fisiol. 5:165-173 '56. (MIRA 10:1) 1. Leboratoriya sravnitel'nogo ontogenesa vysshey nervnoy deyatel'nosti. Zaveduyushchiy - V.A.Troshikhin. (NERVOUS SYSTEM) (TEMPERAMENT) (ACE)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"



TROSHIKHIN, V.A.

Origin and development of the process of generalization in early ontogenesis. Fiziol. zhur. 42 no.2:186-191 F 56. (MIRA 9:6)

1. Institut fuziologii imeni. I.P. Pavlova AN SSSR, Leningrad.

(AGING, physiology,
eff. on conditioned digestive reactions in puppies (Rus))

(REFLEX, CONDITIONED,
age factor in conditioned digestive reactions in puppies
(Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

TROSHIKHIN, V.A.

Dissertations. Dept. of Biological Sciences, Jul-Dec 1957. Vest. Ak Mauk 888R, 1958, No. 4, pp. 120-22.

At the Inst. of Physiology in. I. P. Pavlov the following dissertations were defended:

for the degree of Doctor of Biological Sciences:

TROSHIKHIH, V. A. - Development of the Conditioned Activity of the Reflector in the Early Postnatal Period in Dogs.

KEARCHERKO, P. D. - Delayed Conditioned Reflexes/ Analysis of Retardation.

for the degree of Doctor of Medical Sciences:

PROMINA, N. N. - On the Problem of the Control Mechanism of the Water Metabolism. for the degree of Cand. of Medical Sciences:

FAYZIYEV, 8. -Unconditioned and Naturally Conditioned Nutritive Sputum Reflex in Sheep of the Romanov- and Karakul Breed.

CHUDROVEKIY, L. A. - On the Trophic Innervation of the Ovaries and the Uterus of the Rabbit.

TROSHIKHLIN, V. A., Due Blolog Sch- (ulss) "The development of of a dog" conditioned reflexes in the early post-natal period." Leningrad, 1957, 20 pp.

(AS USSR. list of Physiology im. I. P. Pavlova), 100 copies

(KL, N. 41, 1957, p. 107)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

MIRZAKARIMOVA, M.G., STEL'MAKH, L.N., TROSHIKHIN, V.A.

Controlled modifications of passive defense and searching reflexes in ontogenesis [with summary in English]. Zhur.vys.nerv.deiat. 8 no.5:751-757 S-0 '58 (MIRA 12:1)

 Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'nosti Instituta fiziologii im. I.P. Pavlova AN SSSR. (REFLEX.

passive defense & searching reflexes, eff. of conditioning in young dogs (Rus))
(REFLEX, CONDITIONED

eff. on passive defense & searching reflexes in young dogs (Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

KIYAVINA, M.P., KOBAKOVA, Ye.M., STEL'MAKH, L.N., TROSHIKHIN, V.A.

SHERE STICKED AND AN AREA SHERE TO SHERE THE STREET AND THE TWO CHARLES AND A STREET AND

The speed of formation of conditioned reflexes in dogs in ontogenesis/
[with summary in English]. Zhur.vys.nevr. deiat. 8 no.6:929-936
N-D 158
(MIRA 12:1)

1. Laboratory of Comparative Ontogenesis of the Higher Nervous Activity, Pavlov Institute of Physiology, USSR Academy of Sciences, Koltushi.
(REFLEX, CONDITIONED.

rate of form. in young dogs, age factor (Rus)) (AGING, effects,

on conditioned reflex form, rate in young dogs (Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

KOBAKOVA, Ye.M.; KOZLOVA, L.N.; TROSHIKHIN, V.A.

Effect of various doses of gamma rays from radioactive cobalt on the development of a rabbit in ontogenesis. Hauch. soob. Inst. fiziol. AN SSSR no.1:163-165 159. (MIFA 14:10)

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'-nosti (zav. - V.A. Troshikhin) Instituta fiziologii imeni Pavlova AN SSSR.

(GAMMA RAYS—PHYSIOLOGICAL EFFECT) (ONTOGENY)

TROSHIKHIN, V.A.

Development of conditioned reflex activity in the early ontogenesis of animals. Izv. AN SSSR. Ser.biol. no.6:909-916 N-D '60.

(MIRA 13:11)

1. Institut fiziologii imeni I.P.Pavlova, Akademii nauk SSSR.

(CONDITIONED RESPONSE)

(ANIMALS, INFANCY OF)

VAVILOVA, N.M. (Koltushi); KLYAVINA, M.P. (Koltushi); OBRAZTSOVA, G.A. (Koltushi); TROSHIKHIN, V.A. (Koltushi)

Certain trends of research on the ontogenesis of the central nervous system in animals. Us.p sovr. biol. 49 no.1:104-114 Ja-F '60.

(MIRA 14:5)

(NERVOUS SYSTEM)

(ONTOGENY)

The state of the second st

TROSHIKHIN, V.A. [Troshykhin, V.A.]; KOZLOVA, L.N.

Formation and development of the mobility of nervous processes in the ontogeny of dogs. Fiziol. zhur. [Ukr.] 7 no.2:159-164 Mr.Ap '61. (MIRA 14:4)

1. Laboratory of Comparative Ontogeny of the Higher Nervous Activity of the I.P.Pavlov Institute of Physiology of the Academy of Science of the U.S.S.R., Leningrad.

(NERVOUS SYSTEM—AGING) (DOGS—PHYSIOLOGY)

TROSHIKHIN, V.A.; KOZLOVA, L.N.

Formation and development of mobility and inertness of neural processes in ontogenesis. Zhur. vys. nerv.deiat. 11 no.5:878-883 S-0 '61. (MIRA 15:1)

1. Laboratory of Comparative Ontogenesis of the High Nervous Activity, Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, (CONDITIONED RESPONSE) (NERVOUS SYSTEM)

VAVILOVA, N.M.; KLYAVINA, M.P.; OBRAZTSOVA, G.A.; TROSHIKHIN, V.A.

Correlation of the typological properties of higher nervous activity and the course of pathological processes. Zhur. vys. nerv. deiat. 11 no.6:1038-1043 N-D 161. (MIRA 15:3)

1. Laboratory of Comparative Ontogenesis of the Higher Nervous Activity, Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, Koltushi.

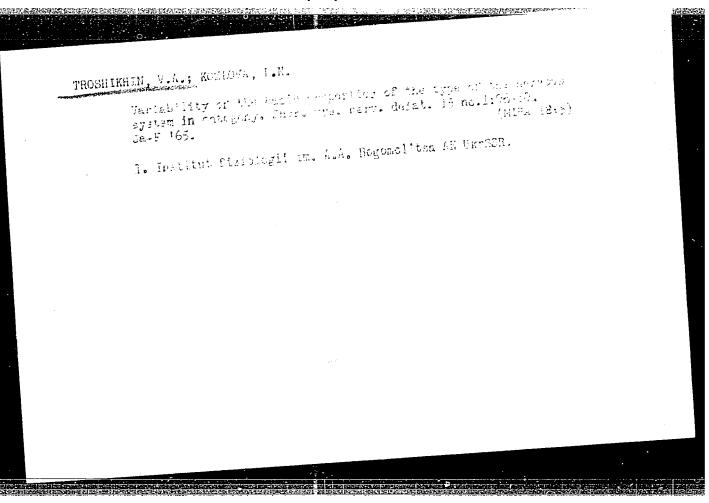
(NEUROSES) (NERVOUS SYSTEM) (CANCER) (PLAGUE)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

TROSHIKHIN, V.A. [Troshykhin, V.O.]

Some problems of the development of congenital conditioned reactions and neuroses in ontogenesis. Fiziol. zhur. [Ukr.] 8 no.2:159-167 Mr-Ap '62. (MIRA 15:5)

1. I.P.Pavlov Institute of Physiology of the Academy of Sciences of the U.S.S.R., Leningrad, and the Institute of Hydrobiology of the Academy of Sciences of the Ukrainian S.S.R., Kiyev. (CONDITIONED RESPONSE) (NEUROSES)



TROSHIKHIN, V.A. [Troshykhin, V.O.]; KOZLOVA, L.N.; KIYENKO, V.M. [Kyienko, V.M.]

Further materials on the problem of the mechanism of the ultraparadoxal phase. Fiziol. zhur. [Ukr.] 11 no.6:707-716 N-D '65. (MIRA 19:1)

1. Institut fiziologii im. A.A. Bogomol'tsa AN UkrSSR, Kiyev. Submitted June 13, 1965.

MAKARENKO, N.V. [Makarenko, M.V.]; TROSHIKHIN, V.A. [Troshykhin, V.O.]

Methodology of quantitative conditioned motor response in small

Methodology animals. Fiziol. zhur. [Ukr.] 11 no.6:832-836 N-D '65.

[MRA 19:1)

1. Laboratoriya fiziologii nervnoy sistemy Instituta fiziologii

im. Bogomol'tsa AN UkrSSR, Kiyev.

MAKARCHENKO, A.F., akademik, otv. red.; BOGACH, P.G., prof., red.;

TROSHIKHIN, V.A., prof., red.; GUREVICH, M.I., doktor med.
nauk, red.; KOLCHINSKAYA, A.Z., doktor biol. nauk, red.;
PUTILIN, N.I., prof., red.; OLEYNIK, I.F., kand. biol. nauk, red.; PREOERAZHENSKIY, N.N., kand. vet. nauk, red.; SNEZHIN, M.I., red.

[Regulation of vegetative functions] keguliatsiia vegetativnykh funktsii. Kiev, Naukova dumka, 1965. 246 p. (MIRA 18:8)

1. Akademiya nauk URSR, Kiev. 2. AN Ukr.SSR (for Makarchenko). 3. Institut fiziologii im. A.A.Bogomol'tsa AN Ukr.SSR (for Putilin).

TROSHIKHIN, V.A. [Troshykhin, V.O.]

Formation and development of external and some forms of internal inhibition in early ontogenesis of animals born at an early stage of development. Fiziol.zhur.[Ukr.] 9 no.1:13-21 Ja-F 163.

(MIRA 18:5)

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy deyatel'nosti Instituta fiziologii im. I.P.Pavlova AN SSSR, Leningrad.

VATIOVA, N.M.; KOBAKOVA, Ye.M.; OBRAZTSOVA, G.A.; TROSHIKHIN, V.A.

Characteristics of the individual properties of the higher nervous system in dogs based on the alimentary and defensive methodologies. Nauch.soob. Inst.fiziol. AN SSSR no.3:25-29 (MIRA 18:5) 165.

1. Jaboratoriya sravnitel'nogo ontogeneza vyashey nervny deyatel-nosti (zav. - G.A.Obraztsova) Instituta fiziologii imani Pavlova AN SSSR.

BIRGER, Takhiyu Izrailevna[Birher, T.I.]; TROSHIKHIN, V.O.[Troshykhin, V.O.], doktor biol. nauk, otv. rod.; ERAGINSKIY, L.P.
[Brahins'kyi, L.P.], kand. biol. nauk, red. izd-va;
RAKHINA, N.P., tekhn. red.

[Value of invertebrates occurring in large masses in the Dnieper River and the Dnieper-Bug Liman as food of fishes]
Dnieper River and the prieper-Bug Liman as food of fishes]
Mormova tsinuist' dlia ryb masovykh form bezkhrebetnykh
Dnipra i Dniprovs'ko-Buz'koho limanu. Kyiv, Vyd-vo Akad. nauk
(MIRA 15:2)
URSR, 1961. 108 P.
(Dnieper Valley—Fresh-Water fauna)
(Fishes—Food)

TROSHIKHINA, P.H.

Modification of respiratory rhythm ontogenesis in animals. Fiziol. sh. SSSR 39 no. 1:66-70 Jan-Feb 1953. (CLML 24:2)

1. Institute of Physiology ineni I. P. Pavlov of the Academy of Sciences USSR, Leningrad.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

TROSHIKHINA, Yu. G.

"On the Problem of the Interrelations Between Motor and Digestive Relative Relexes."

dissertation defended afor the degree of Candidate of Biological Sciences at the Inst. for Physiology im I. P. Pavlov.

Defense of Dissertation (Jan-Jul 1957) Sect. of Biological Sciences Vest. AN SUSR, v. 27, No. 12, pp. 118-120 (1957)

<u>L 12951-63</u>

EWT(1)/BDS/ES(a)/ES(b)/ES(c)/ES(k) Pb-4 63.

s/0239/63/049/005/0643/0647

ACCESSION NR: AP3001505

AUTHOR: Breslav, I. S.; Zhironkin, A. G.; Konze, E. A.; Salatsinskaya, Ye. N.;

Troshikin, G. V.

TITLE: Gas exchange dynamics of white mice under conditions of high partial

oxygen pressure

SCURCE: Fiziologicheskiy zhurnel SSSR, v. 49, no. 5, 1963, 643-647

TOPIC TAGS: gas exchange, hyperoxia, hypooxia, redox, oxygen

ABSTRACT: Gas exchange dynamics in relation to an organism under hyperoxic conditions is of medical and biological importance but has received little attention. To study this problem experiments were conducted on white mice placed in a glass chamber with an automatic feeder. The chamber was kept under water to maintain a constant temperature (22-23°) and oxygen was supplied automatically. Total amount of carbon dioxide exhaled was determined by titrating the chemical absorber after the experiment. The mice were kept in nitrogen-oxygen mixtures with 60% or 90% oxygen (0 sub 2) content for various periods of time. Some mice were taken from a regular air medium to a hyperoxic medium (60% or 90%) and some from a hyperoxic one to a

Card 1/2

1, 12951-63

ACCESSION NR: AP3001505

hypooxic one (% 0 sub 2). The gas exchange level of mice in a nitrogenoxygen mixture at first is high and then drops to a level a little higher
than normal and remains there. The gas exchange level of mice exposed
to hyperoxic conditions for 36 hrs and then moved to a hypooxic medium undergoes
a slow decrease. The dynamics of these changes reflect a rearrangement of the
redox processes which appears to correspond with sudden changes in the oxygen
medium. The author recommends that more detailed studies be made of oxygen
concentrations and their effect on the gas exchange level in an organism. Orig.
art. has: 2 figures and 1 table.

ASSOCIATION: Institut fiziologii im. I. P. Pavlova AN SSSR, Leningrad (Institute of Physiology, AN SSSR)

SUPPLITTED: 15Aug62

DATE ACQ: 12Jun63

ENCL: 00

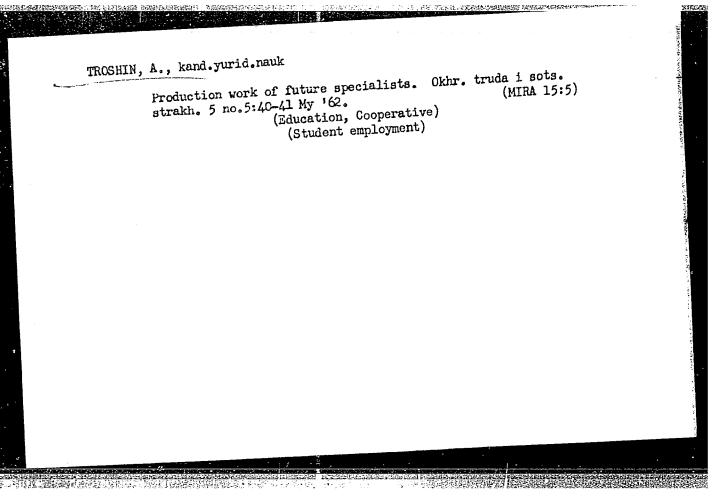
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NO REF SOV: 011

OTHER: 003

Card 2/2

TROSHIN, Cand of Phys- Math- Sci- (diss) "Solution of Flow Problems in Subsonic Gas Dynamics," Moscow, 1959, 6 pp (Moscow State University im. M.V. Lomonosov) (KL- 7-60, 107)



TROSHIN, A.

"On the mechanism of the narcotic action of certain substances on the spermatozoaz of hana Temporaria." (p. 721) Laboratory of the Physiology of Cells (Chief: Prof. D. N. Nasonov), Institute of Physiology, Leningrad University. by Raevskaya, Mr. and Troshin, A.

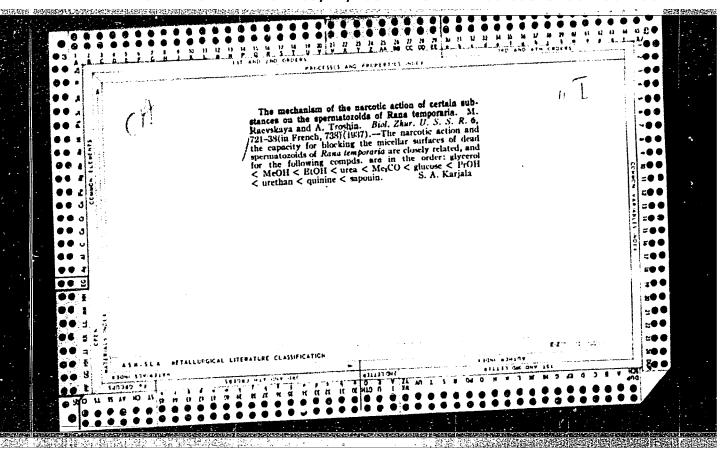
SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, No. 4

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

TROSHIN, A., student

Plastic aortas. Tekh. mol. 28 no.7:15 '60. (MIRA 13:8)

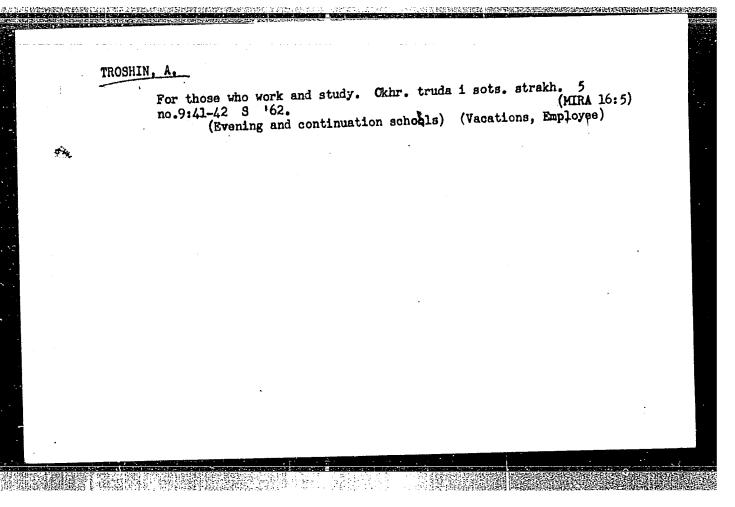
1. Pervyy Moskovskiy meditsinskiy institut.
(ARTER MS-SURGERY) (PLASTICS)



In the status of the students of institutions of higher learning and technical schools during the training period. Sots. trud no.2:122-128 F 163. (Student employment)

TROSHIN, A.

Who flies on the largest ones? Grazhd. av. 22 no. 10:13-15 (MIRA 18:12)



TROSHIN, A., inzh.

Medium ship maintenance to be done by the crews. Rech. transp. 21 no.10:31-32 0 '62. (MIRA 15:10)

1. Amurskoye rechnoye parokhodstvo.

(Ships-Maintenance and repair)

TROSHIN, A.

Why the sparks die out. Grazhd. av. 22 no.1:15 Ja '65.

(MIRA 18:11)

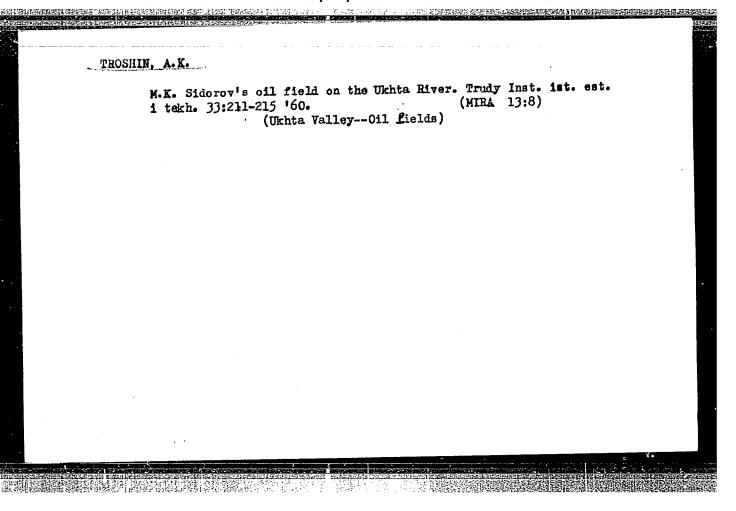
1. Sekretar' komiteta Vsesoyuznogo Leninskogo kommunisticheskogo aeroporta, Moskva.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

TROSHIN. A.K.,; GUREVICH, Ya.D., ved. red.; TROFIMOV, A.V., tekhn. red.

[History of petroleum technology in Russia from the 17th century to the second half of the 19th century] Istoriia neftianoi to the second half of the 19th century] Istoriia neftianoi tekhniki v Rossii (XVII v.-vtoraia polovina XIX v.). Moskva, tekhniki v Rossii (XVII v.-vtoraia polovina IIX v.). Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, (MIRA 11:11) 1958. 112 p.

(Petroleum industry)

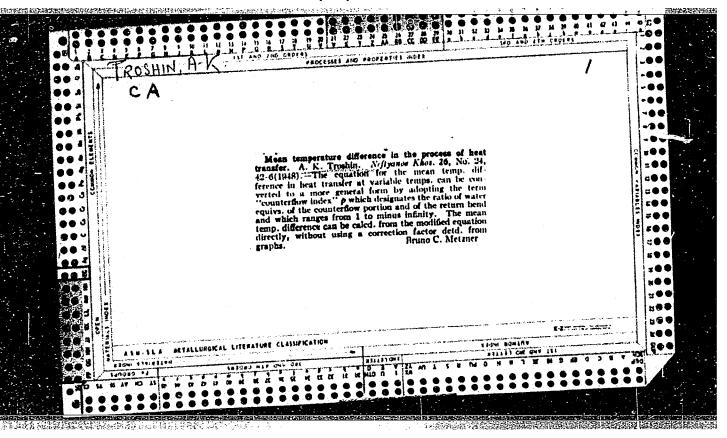


Cand. Tech. Sci. TROSHIN, A. K. Dissertation: "Investigation of the Coefficient of Heat Transfer on Cooling of

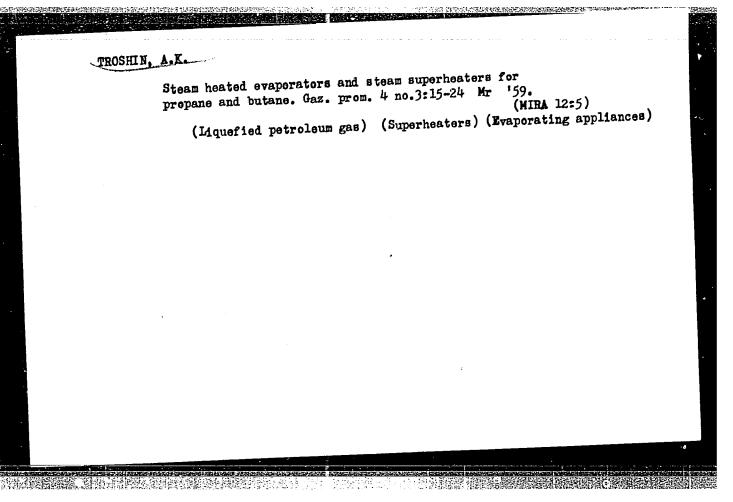
Petroleum Froducts in a Reservoir." Moscow Order of the Labor Red Banner Petroleum Inst imeni Academician I. M. Gubkin, 15 Apr 47.

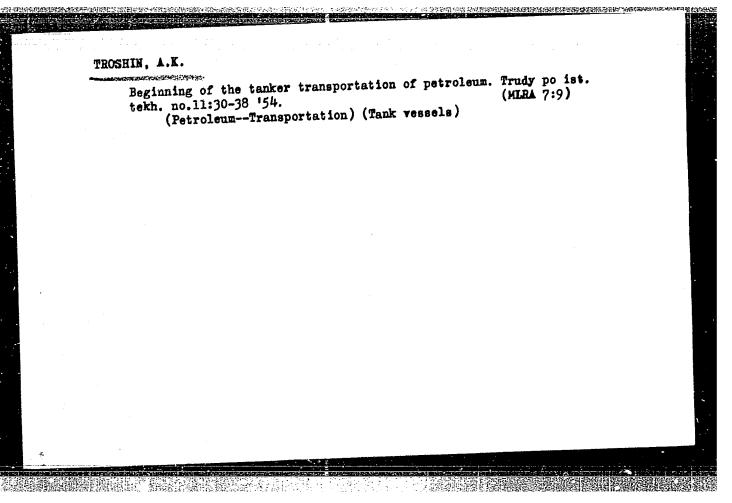
SO: Vechernyaya Noskva, Apr, 1947 (Project #17836)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"



| prerevolution '59. | and techniques of building petroleum pipelines in lary Russia. Trudy Inst.ist.est.i tekh. 25:177-200 (MIRA 13:4) |
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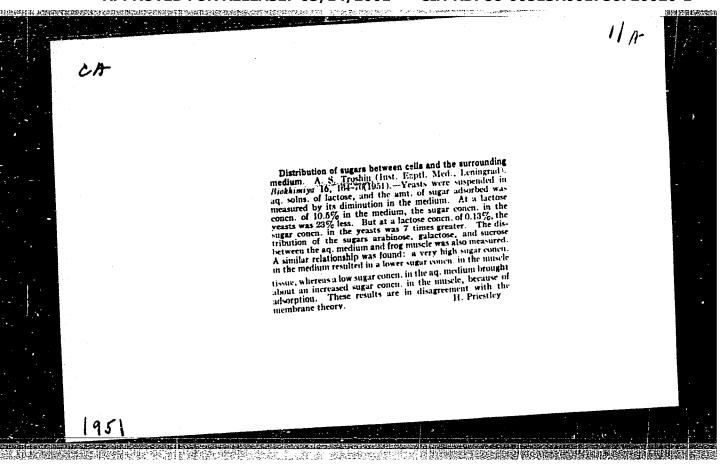


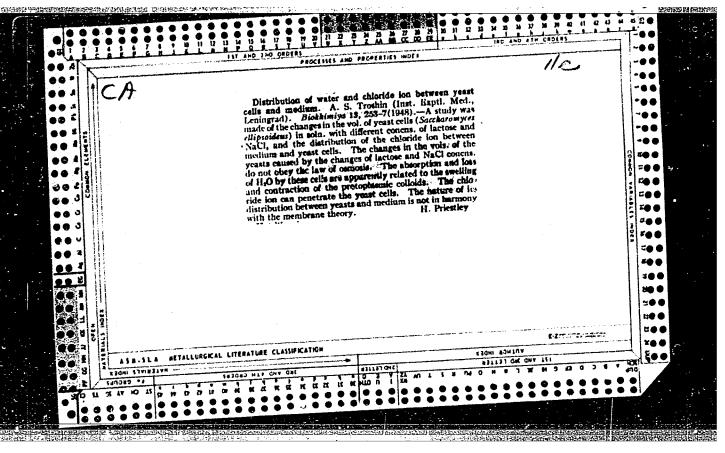


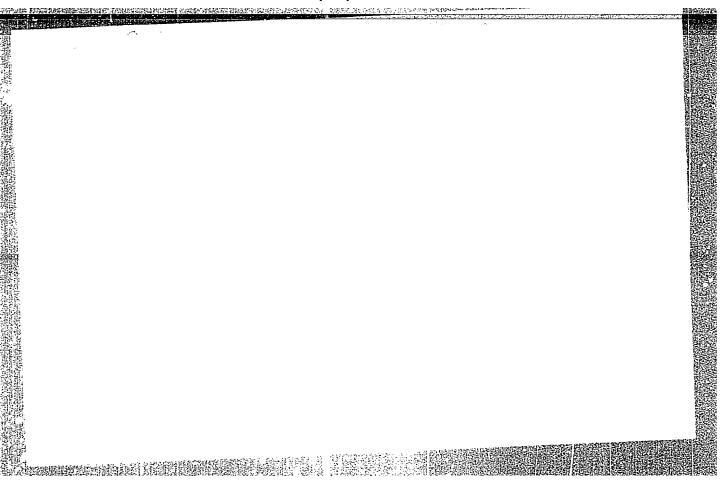
TROSHIN, Anatoliy Konstantinovich; KUZIN, A.A., otv. red.; SKACHKOV, S.A., red. izd-va; RYLINA, Yu.V., tekhn. red.

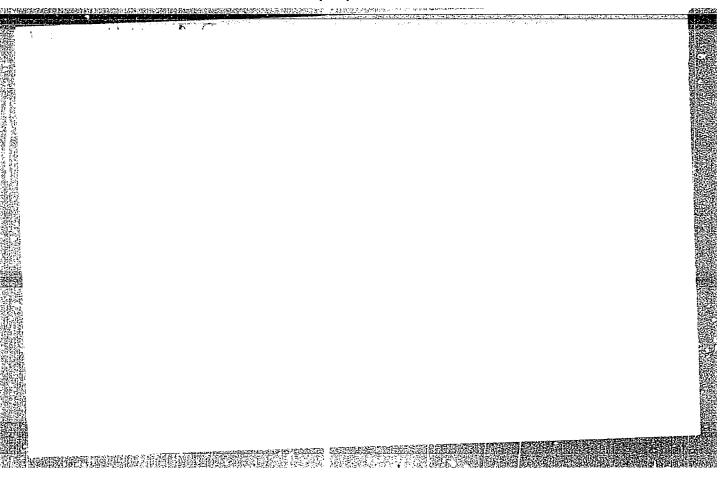
[Ivan Evstaf'evich Vlasov, a Russian voivode and mineralogist of the 17th century] Ivan Evstaf'evich Vlasov - woevoda - rudoznatets XVII v. Moskva, Izd-vo AN SSSR, 1963. (MIRA 16:11) 45 p. (Mineralogists) (Vlasov, Ivan Evstaf'evich, 1628-1710)

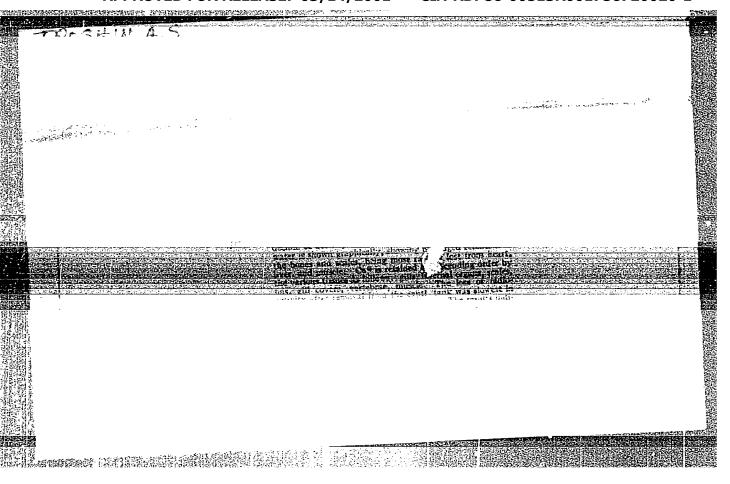
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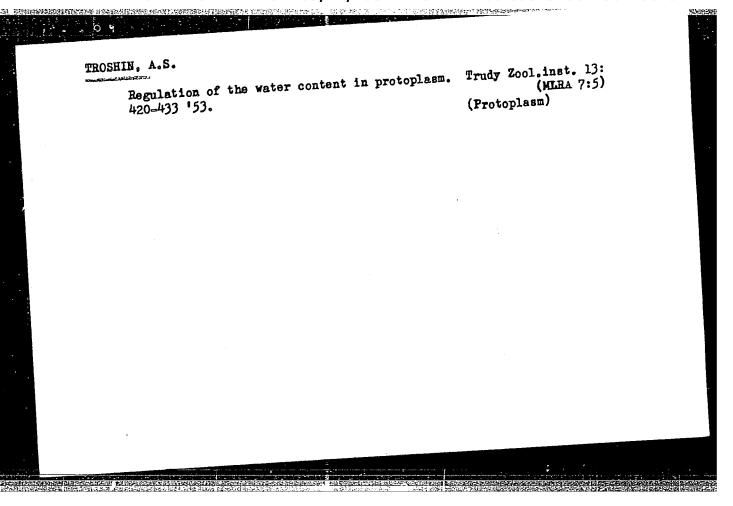












TROSHIN, A. S.

IL'INSKAYA, N.B.; TROSHIN, A.S.

Tagging flies and mosquitoes with radioactive phosphorus. Zool.

Tanging flies and mosquitoes with radioactive phosphorus. Zool.

Annu. 33 no.4:841-847 Jl-Ag '54.

1. Zoologicheskiy institut SSSR.

(Phosphorus--Isotopes) (Mosquitoes) (Flies)

TROSHIN, A. S.

USSR/Biology - Zoology

Card 1/1 : Pub. 22 - 35/41

Authors & Rodina, A. G., and Troshin, A. S.

Title : Use of marked atoms in studying the feeding of water animals

Periodical : Dok. AN SSSR 98/2, 297-300, Sep 11, 1954

Abstract

A method for determining the degree of utilization, by water animals, of one and the same element from an aqueous medium and from prepared feed and the rate of combining this element with the body tissues of the animals, is described. Five references: 4-USSR and 1-USA (1940-

1950). Tables; graphs; illustrations.

Institution : Academy of Sciences USSR, Zoological Institute

Presented by : Academician E. N. Pavlovskiy, May 22, 1954

TROSHIN, A.S.

test/ Biology - Hydrobiology

Card 1/1 Pub. 22 - 42/49

Authors

Rodina, A. G., and Troshin, A. S.

8 Behavior of phosphorus brought into pond water with plant fertilizers

Title

1 Dok. AN SSSR 98/4, 665-668, Oct. 1, 1954

Abstract

Periodical

* Data on the behavior of P brought into pond water together with plant fertilizer are presented. Two references: 1-USSR and 1-USA (1950

and 1952). Graphs; illustrations.

Institution : Academy of Sciences USSR, Zoological Institute

Presented by: Academician E. N. Pavlovskiy, July 16, 1954

TROSHIN, A.S.; NASCHOV, D.N., professor, redaktor; ZHIRMUNSKIY, A.V., redaktor;
ARCHS, R.A., tekhnicheskiy redaktor

[Problem of cellular penetrability] Problema kletochnoi pronisaemosti. Moskva, Izd-vo Akademii nauk SSSR, 1956. 474 p.

(MERA 9:3)

1. Ohlen-korrespondent AN SSSR (for Nasonov)

(Cells)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

| | COUNTRY CATEGORY ABS. JOUR. AUTHOR TEST. TITLE ORIG. PUB. ABSTRACT | USSR General Biology. Physical and Chemical Biology. RZhBiol., No. 5, 1959, No. 18981 Troshin, A. S. Toshin, A. S. The Method of Radioactive Indicators and Its Application in Hydrobiology. Zhizn' presnykh vod SSSR. 4, ch. 1. ML., AN SSSR, 1956, 414-437 With sufficient completeness which is meant for the non-expert in isotope methods of investigation, the author gives an account of investigation, the author gives an account of radioactive isotopes, calculating-radiometrical apparatuses, and the principles of recording apparatuses, and the principles of recording apparatuses, and the principles of recording apparatuses of ionizing radiation. A table is quantities of ionizing radiation. A table is of the radioisotopes of 30 elements which are of most interest to hydrobiologists. Considerable space is devoted to the methods of pre- | |
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B USSR COUNTRY CATEGORY 1959, No. 1 RZhBiol., No. ABS. JOUR. AUTHOR INST. TITLE paring samples of radioactive substances and to their measurements, taking into consideration their initial activity, geometrical conditions, ORIG. PUB. ABSTRACT self-absorption, and measurement errors. The method of the organisms; radioautography is described, of their tissue's microscopic sections and of small animals and plants. Within the scope of hydrobiological problems which may be solved by radioactive indicators, the author points to the rotation of substances in water reservoirs and the marking of water animals. 2/3 Card:

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: USSR COUNTRY CATEGORY

1959, No. ABS. JOUR. : RZhBiol., No.

AUTHOR IMBT. TITLE

ORIG. PUB.

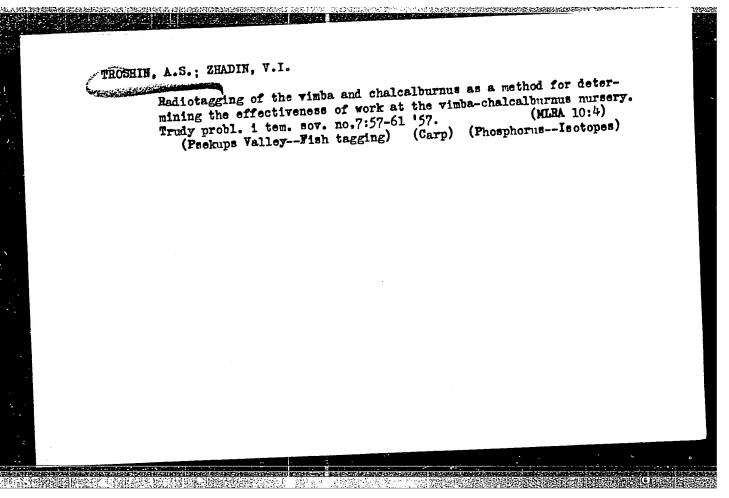
: Introducing a marked substance into the ABSTRACT

reservoir permits to observe its distribution among the various reservoir components. The method of finding the coefficients which determine the distribution of the radioactive substance in the organism and in the environ-

ment is described. -- G. G. Polikarpov

3/3 CARD:

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Bound and free sodium in skeletal muscles of the frog [with summary in English]. Biofizika 2 no.5:617-627 '57. (MIRA 10:11) 1. Zoologicheskiy institut AN SSSR, Leningrad. (MUSCLE) (SODIUM IN THE BODY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

Troshin, A. S., Doctor of Biology AUTHOR:

507/30-58-7-22/49

TITLE:

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News in Brief (Kratkiye soobshcheniya) The Second International Conference on the Mechanism of Stimulation (Vtoroye mezhdunar-

odnoye soveshchaniye po mekhanizmu vozbuzhdeniya)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1958, Nr 7, pp. 103 - 104 (USSR)

ABSTRACT:

The conference was held at the Humboldt-University (Universitet im. A. Gumbol'dta) in Berlin, in the DDR (German Democratic Republic)(GDR) from March 31 to April 2. It was attended by physiologists, biochemists and biophysicists, who with respect to the mechanism of stimulation, take two different views. One group proceeds from the albumin theory developed by D.N.Nasonov and his students. The other group relies on the principles of and the Cambridge the diaphragm theory proposed by A. Hodgkin, School(kembridzhskaya shkola) of physiologists. 24 reports were

submitted. They are partly listed below: 1)V.Ya. Aleksandrova (USSR) on the Albumin Theory of Injury and

Card 1/3

2)B.N. Tarusov (USSR) on Electrical Parameters of the Cells in

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News in Brief. The Second International Conference on the Mechanism of Stimulation

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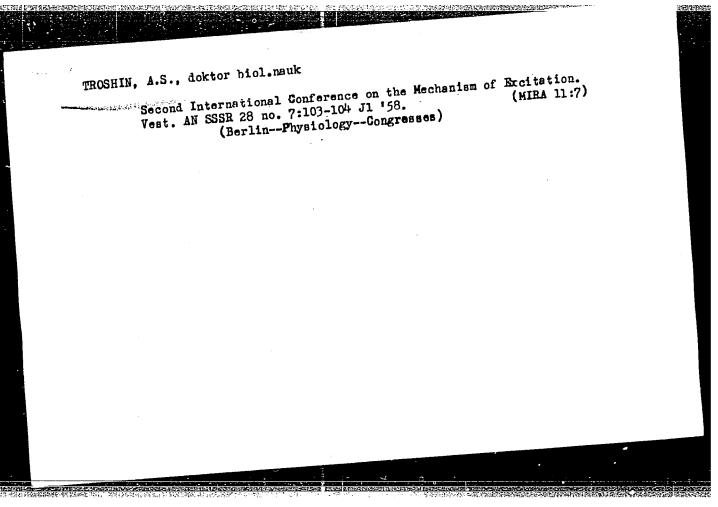
Different Functional States. 3)E.Ernst, Hungary (Vengriya) showed that is dividual fibrils react to every electrical irritation by a distinctive contraction. 4)G.M.Frank, USSR, on Structural Changes in Nerve Fibers Caused 5) A. Kaladzhiyeva, Bulgaria (Bolgariya), A. Wolf (Vol'f), V. Linke, DDR, Ye.M. Makovskiy, Roumania (Rumyniya) investigated the properties of solutions of native albumins. 6)G. Vogel (Fogel'), G. Krause (Krauze), G. Jhn (Dzhon), DDR, described the results obtained by the investigation of the influence exercised by temperature and various poisons of fermentation on the monodular (monodal'ny;) active current. 7)G. Lippmann, E.Schubert (Shubert), DDR, on the Influence xercised by Metabolism Upon the Process of Cell-Excitation. 8)E.Gutman, Ts. Vodichka, Czechoslovakia (Chechoslovakiya) on Impulseless Processes in Nervous Structures. 9)L.Lyubinskaya, Poland (Pol'sha), K.Cheng, China (Kitay), on the Morphological Structure of Some Elements of the Nervous System.

Card 2/3

News in Brief. The Second International Conference SOV/30-58-7-22/49 on the Mechanism of Stimulation

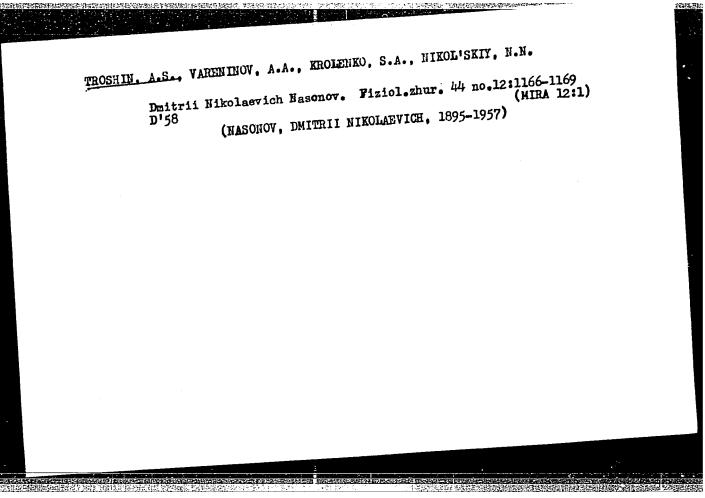
An animated discussion of the reports took place after the papers had been read.

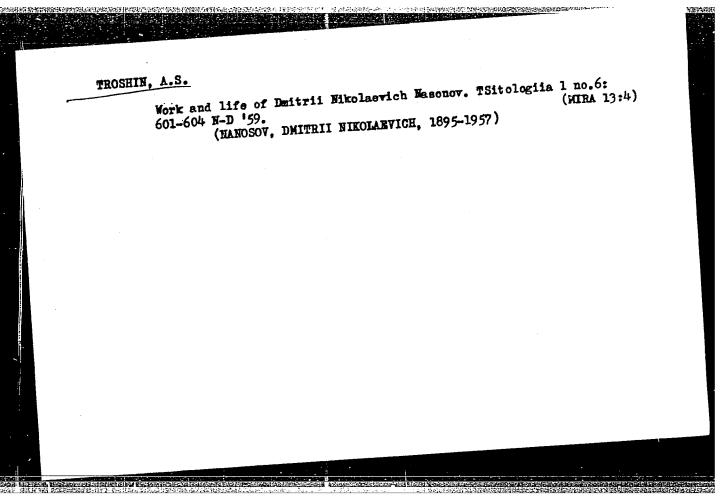
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TROSHIN, A. B.

"Sorption Properties of Protoplasm and their Role in Cell Permeability,"

report submitted for the Symposium on Membrane Transport and Metabolism, Prague,
Czech., 22-26 August 1960.

Inst. of Cytology, Acad. Sci. USSR, Leningrad

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

POLYANSKIY, Yu.I., otv.red.; ALEKSANDROV, V.Ye., red.; GINETSINSKIY, A.G., red.; ZHUKOV, Ye.K., red.; ZHIRMUNSKIY, A.V., red.; KARASIK, V.M., red.; KIRO, M.B., red.; LOZINA-LOZINSKIY, L.K., red.; HIKOL'SKIY, N.N., red.; PARIBOK, V.P., red.; ROMANOV, S.N., red.; SVETLOV, P.G., red.; SCKOLOV, I.I., red.; TROSHIN, A.S., red.; USHAKOV, B.P., red.; SHERSTOBITOV, O.Ye., red.izd-ve; PEVZNER, R.S., tekhn.red.

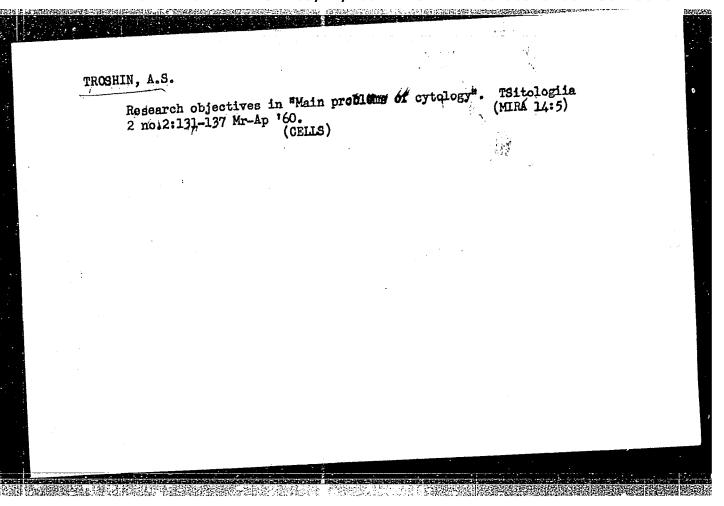
[Problems in cytology and general physiology] Voprosy tsitologii i obshchei fiziologii. Moskva, Izd-vo Akad.nauk SSSR, 1960.

(MIRA 14:1) 393 p.

1. Akademiya nauk SSSR. Institut tsitologii. 2. Institut evolyutsionnoy fiziologii im. I.M.Sechenova AN SSSR, Leningrad (for
Ginetsinskiy). 3. Fiziologicheskiy institut im. A.A.Ukhtomskogo pri
Leningradskom universitete im. A.A.Zhdanova (for Zhukov). 4. Institut eksperimental noy meditsiny Akademii meditsinskikh nauk SSSR,
teningrad (for Karasik). 5. Institut tsitologii AN SSSR, Leningrad
(for Kiro, Paribok, Sokolov). 6. Institut fiziologii im. I.P.Pavlove
(for Kiro, Paribok, Sokolov). 7. Laboratoriya embriologii
AN SSSR, Leningrad (for Romanov). 7. Laboratoriya embriologii
Instituta eksperimental noy meditsiny AMN SSSR, Leningrad (for
Svetlov). 8. Laboratoriya fiziologii kletki Instituta tsitologii
AN SSSR, Leningrad (for Troshin). 9. Laboratoriya sravnitel noy
tsitologii Instituta tsitologii AN SSSR, Leningrad (for Ushakov).

(CYTOLOGY) (PHYSIOLOGY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"



Concerning L.W. Chailakhian's article "Modern concepts of the nature of the rest potential." Biofizika 5 no.1:94-98 '60. (MIRA 13:6) 1. Institut tsitologii AH SSSR, Leningrad. (ELECTROPHYSIOLOGY)

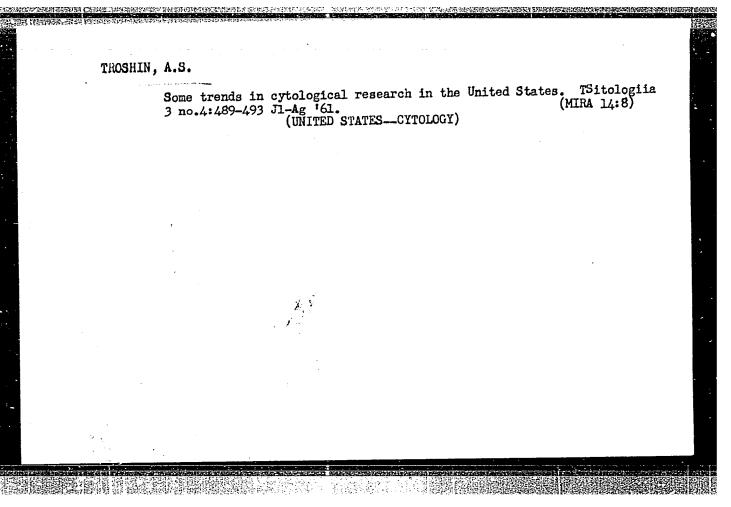
| eni padamente e e e e e e e e e e e e e e e e e e | SHIN, A.S. | |
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| | Symposium on the topic "Membrane transfer and metabolism." Veut.AN SSSR 30 no.11:111-112 N '60. (MIRA 13:11) | • |
| | 1. Chlen-korrespondent AN SSSR. (TissuesHermeability) (Metabolism) | |
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TROSHIN, A. S.

"Sorption properties of the protoplasm considered broadly and their role in the distribution of substances between the cell and the medium"

To be submitted for the International Biophysics Congress, Stockholm, Sweden, 31 Jul-4 Aug 1961.

Director of the Institute of Cytology, Academy of Sciences USSR.



POLISIALY, Yu.I., prof.; TROSIDI.A.S.

Banic objectives in cycle . Vest. AN SSSR 31 no. ::30-37
7 '61.

1. Chlon-korrespondent AN SSSR (for Troshin).

(Cytology)

TROSHIN, A.S.; ZHINKIN, L.N., doktor biolog.nauk

Studying the mitotic division of cells. Vest. AN SSSR 31 (MIRA 14:9) no.10:134-135 0 '61.

1. Chlen-korrespondent AN SSSR (for Troshin). (Daryokinesis--Congresses)

THE STREET HER THE STREET STREET, AND THE STRE

NASONOV, Dmitriy Nikolayevich (1895-1957); TROSHIN, A.S., otv. red.; KONDRAT'YEVA, N.N., tekhn. red.

[Local responses of protoplasm and propagated excitation]
Mestnaia reaktsiia protoplasmy i rasprostraniaiushcheesia
vozbuzhdenie. 2. izd. Moskva, Izd-vo Akad. nauk SSSR, 1962.
426 p.

(PROTOPLASM)

TROSHIN, A.S.; PARIBOK, V.P.; KROIENKO, S.A.

Cytology in practice. Izv. AN SSSR. Ser. biol. 27 no.1:127-130
Ja-F 162.

(MIRA 15:3)

1. Institute tsitologii AN SSSR. (CYTOLOGY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

THE THEORY OF THE PROPERTY OF

NASONOV, Dmitriy Nikolayevich; TROSHIN, A.S., glav. red.; GOLOVINA, N.V., red.; POLYANSKIY, Yu.I., red.; ROZENTAL', D.L., red.; STRELKOV, A.A., red.; VASIL'YEVA, Z.A., red.izd-va; VINOGRADOVA, N.F., tekhn. red.

[Some problems of cell morphology and physiology] Nekotorye voprosy morfologii i fiziologii kletki; izbrannye trudy. Moskva, Izd-vo AN SSSR, 1963. 361 p. (MIRA 16:12) (Cytology)

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TROSHIN, A.S.; BARENBOYM, G.M.

Luminescence methods in cytology. Vest. AN SSSR 33 no.6:73-76 Je
163. (MIRA 16:7)

1. Chlen-korrespondent AN SSSR.
(Cytology) (Fluorescence microscopy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

TROSHIN, A.S.

Sorptive properties of protoplasm and their role in the phenomena of cell permeability. Trudy MOIP. Otd. biol. 9:7-16 64. (MIRA 18:1)

1. Institut tsitologii AN SSSR, Leningrad.

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种。但是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人

TROSHIN, A.S., otv. red.; ARRONET, N.I., red.; BEYYER, T.V., red.; ZHIRMUNSKIY, A.V., red.; KUSAKINA, A.A., red.; PROSSER, K.L., red.; LOZINA-LOZINSKIY, L.K., red.; POLYANSKIY, Yu.I., red.; SUKHANOVA, K.M., red.; USHAKOV, B.P., red.; FEL'DMAN, N.L., red.; ALEKSANDROV, V.Ya., red.

[Cell and the temperature of the medium; transactions]
Kletka i temperatura sredy; trudy. Moskva, Nauka, 1964. 303 p.
(MIRA 18:1)

1. International Symposium on Cytoecology, Leningrad, 1963.
2. Institut tsitologii AN SSSR, Leningrad (for Troshin, Arronet). 3. Laboratoriya kosmicheskoy biologii Instituta tsitologii AN SSSR, Leningrad (for Lozina-Lozinskiy).4. Laboratoriya tsitofiziologii i tsitoekologii Botanichskogo instituta im. V.L.Komarova AN SSSR, Leningrad (for Aleksandrov).
5. Laboratoriya sravnitel'noy tsitologii Instituta tsitologii AN SSSR, Leningrad (for Zhirmunskiy, Kusakina, Ushakov).
6. Laboratoriya tsitologii odnokletochnykh organizmov Instituta tsitologii AN SSSR, Leningrad (for Sukhanova). 7. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad (for Arronet).

ZHUKOVSKIY, P.M., otv. red.; TROSHIN, A.S., otv. red.; ASTAUROV, B.L., red.; ZHINKIN, L.N., red.; MATVEYEVA, T.S., red.; SAKHAROV, V.V., red.; FEDOROV, A.A., red.; CHUKSANOVA, N.A., red.

[Polyploidy and breeding; transactions] Poliploidiia i selektsiia; trudy. Moskva, Nauka, 1965. 322 p.

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1. Soveshchaniye po poliploidii, 1963. 2. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Zhukovskiy). 3. Chlen-korrespondent AN SSSR (for all except Zhukovskiy).

ALEKSANDROV, Samuil Naumovich; ROZENTAL', Dora L'vovna; TROSHIN,
A.S., otv. red.

[Spreading of the lesion in somatic muscle fibers] Rasprostranenie povrezhdeniia v somaticheskikh myshechnykh voloknakh. Moskva, Nauka, 1965. 125 p. (MIRA 19:1)

TROSHIN, A.S.; PISAREVA, I.N.

Distribution of emino acids between the frog miscles and the environmental medium. Thiologiia 7 no.42570-573 Jl-Ag '65.
(MIRA 18:9)

l. Laboratorii fiziologii kletki Instituta taitologii AN SSSR, Leningrad.

ROZENTAL', D.I.; TROSHIN, A.2.

New data on substantial changes due to cell damage and stamulation. TSitologia 5 no.4:365-378 J1-Ag 63. (MIRA 17:8)

1. Laboratoriya fiziologii kletki Instituta tsitologii AN SSSR, Leningrad.

KIPRENSKIY, Yu.V. (Moskva, D-40, ul.Nizhnyaya, d.9, kv.30); TROSHIN, A.Z.

Use of temporary prostheses in treating injuries of the major arteries. Nov. khir. arkh. no.5:58-61 S-0 '60. (MIRA 14:12)

1. Kafedra fakul'tetskoy khirurgii (zav. - zasluzhennyy deyatel' nauki, prof. N.N.Yelanskiy) i TSentral'naya nauchno-issledovatel'skaya laboratoriya (zav. - kand.med.nauk A.S.Chechulin) 1-go Moskovskogo meditsinskogo instituta.

(ARTERIES-SURGERY) (PROSTHESIS)

KIRPATOVKIY, I.D.; TROSHIN, A.Z.; KULIK, V.P.

Use of synthetic vascular prosthesis in total transplantation of the small intestine; preliminary report. Trudy 1-go MMI 42: (MIRA 19:2) 224-231 165.

1. Laboratoriya po peresadke organov i tkaney AMN SSSR i kafedra operativnov khirurgii i topograficheskov anatomii I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

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TROSHIN, A.Z.; NIKOLAYEV, A.V.

New method of connecting vessels according to the end-to-side type. Trudy 1-go MMI 42:232-242 165. (MIFA 19:2)

1. Kafedra operativnov khirurgii i topograficheskov anatomii 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

TROSHIN, A.S.

Permeability of the cell mucleus. TSitologiia 5 no.6: 601-614 N-D '63. (MIRA 17:10)

1. Laboratoriya fiziologii kletki Instituta tsitologii AN SSSR, Leningrad.

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BAGATEV, S.N., KUZNETSOV, V.S., TROITSKIY, Tu.V., TROSHIN, B.1.

Spectral characteristics of a gas laser with a traveling wave. Pis', v red. Thur. eksper. i teoret. fiz. 1 no.45
21-24 My '65. (MIRA 18:11)

1. Institut fiziki poluprovodnikov Sibirskogo otdalaniya AN SSSR. Submitted April 14, 1965.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756720020-1"

ACC NR: AP7002426

SOURCE CODE: UR/0051/66/021/006/0768/0769

AUTHOR: Bagayev, S. N.; Troitskiy, Yu. V.; Troshin, B. I.

ORG: none

TITLE: Polarization and frequency characteristics of ring lasers with triangular

resonators

SOURCE: Optika i spektroskopiya, v. 21, no. 6, 1966, 768-769

TOPIC TAGS: laser, gas laser, ring gas laser, gas laser polarization, gas laser

frequency spectrum, laser frequency expectrum characteristic

ABSTRACT: The polarization and frequency characteristics of a triangular He-Ne laser arrangement were experimentally investigated along lines described earlier by Doyle and White (Appl. Phys. Letters. 5, 1964, 193). The arrangement had a perimeter of 363 cm which was formed by three multi-layer dielectric mirrors (the first two flat and the other spherical).

Two discharge tubes, 4 mm in diameter, were filled with a 1:5 He-Ne mixture at a pressure of 1.8 mm Hg and operated on the 1.153 μ wavelength. The mode positions were observed by means of an arrangement consisting of a polarization prism, a photomultiplier, and an SCh-9 spectrum analyzer. Beats were observed on the 39-, 43-, and 32-Mc fre-

spectrum analyzer. Beats were observed on the 35-, 45-, and 52 he quencies, the peak intensity of the latter being independent of the

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UDC: 621.375.9:535

turning of the prism around its axis. The peak values of the 39- and 43-Mc beats reached their maxima when the polarization prism was at an angle of 45° to the polarization planes of the system. These peaks disappeared periodically with every 90° turn of the prism. By inserting a birefringent plate (quartz or mica) into the resonator, the difference between the modes could be changed within wide limits. The arrangement is considered convenient for use in studying mode interaction, since Kerr cells, compensators, etc., can be employed to effect a smooth change of the mode difference between zero and its maximum.

Orig. art. has: 3 figures.

SUB CODE: 20/ SUEM DATE: 27Dec65/ OTH REF: 001/ ATD PRESS: 5112

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